Activity 7  
How Electrons Determine   
Chemical Behavior

Goals…

* Investigate more patterns in the electron arrangements of atoms
* Relate the positions of elements on the periodic table, their electron arrangements and their distances from the nearest noble gas, to chemical properties of the elements
* Relate electron arrangements to ionization energies
* Assign **valence numbers** to elements and organize the periodic table according to valence numbers

Chem Talk……

* What are the Noble Gases??
* Alkali Metals
* Alkaline Earth Metals
* Halogens

Reflecting……

* Valence electrons are the Click here to enter text. from the nucleus
  + Outermost Click here to enter text. electrons
* They determine the atom’sClick here to enter text.
* Atoms in the same column have the same Click here to enter text. of valence electrons
* Metals tend to Click here to enter text.electrons
* Nonmetals tend to Click here to enter text. electrons